

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 23 AND US BUS. 1 IN HARFORD COUNTY. MD 23 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES AS A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH A EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR ALL THE APPROACHES. NO PEDESTRIAN PHASE EXISTS AT THIS TIME.

PROJECT CONSTRUCTION

NEW DETECTION FOR THE N.B. US BUS 1 APPROACH IS BEING INSTALLED AT THIS TIME DUE TO GEOMETRIC WIDENING.

PHASING CHART

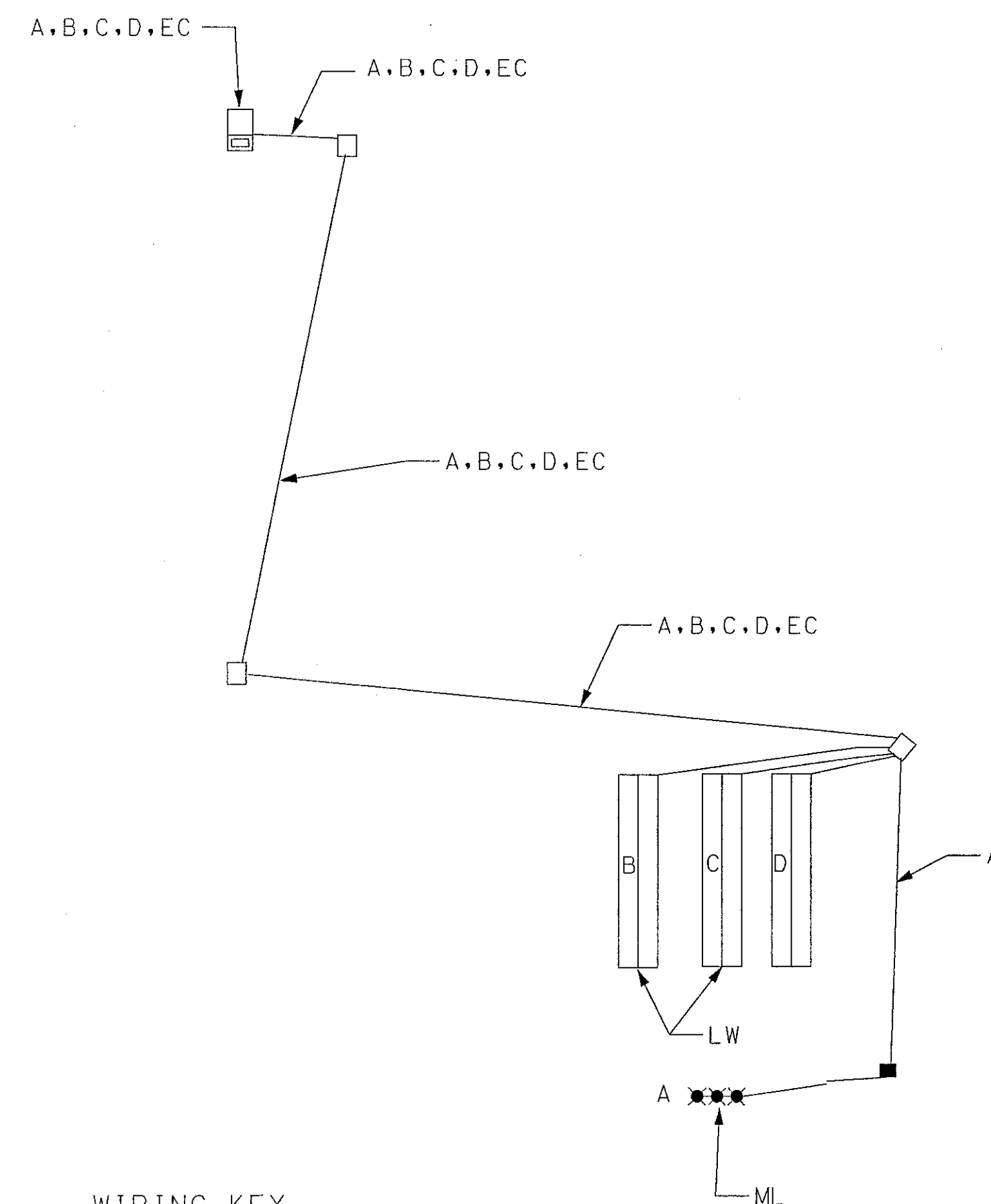
EXISTING PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8004	1 EA	ADJUST EXISTING HANDHOLE TO FINAL GRADE W/COLLAR
8029	1 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8081	550 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR ALUMINUM SHIELDED
8087	1375 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 IN. FLEXIBLE TUBING (NO. 14 AWG)
8088	285 LF	FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR
8091	130 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8048	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8068	40 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8072	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
	15 LF	FURNISH AND INSTALL 24 IN WHITE THERMOPLASTIC PAVEMENT MARKING
	25 LF	FURNISH AND INSTALL 5 IN WHITE THERMOPLASTIC PAVEMENT MARKING

WIRING DIAGRAM



WIRING KEY

- A MICRO-LOOP PROBE
- B-D 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- EC EXISTING CABLE
- LW LOOP WIRE (NO. 14 A.W.G.)
- ML MICRO-LOOP PROBE

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
		NONE

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

MS. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
		NONE

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473

EMAIL TRACONCEPT@AOL.COM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
MD 23 AT US BUS.1

DRAWN BY: M.HOWELL	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: J.ZAYDEL	S.H.A. NO.	3857A	
SCALE: 1" = 20'	COUNTY: HARFORD	T.I.M.S. NO.	
DATE: 7-1-03	LOG MILE:		